

Task: Students plan and perform an experiment “ Does salt affects boiling temperature”. After data is collected, a full science report is required.

Rubrics for assessment

Achievement Level	Criterion D: scientific inquiry	Criterion E: processing data	Criterion F: attitude in science
1 - 2	<ul style="list-style-type: none"> You attempt to define the purpose of the investigation and makes references to variables but these are incomplete or not fully developed. The method suggested is partially complete. 	<ul style="list-style-type: none"> You are unable to use a table to record data Graph is drawn but is small and x and y-axis are not titled. Form of graph chosen is not appropriate 	<ul style="list-style-type: none"> You needed guidance and supervision when using laboratory equipment. You can work safely and cooperate with others buy may need reminders.
3 - 4	<ul style="list-style-type: none"> You define the purpose of investigation and provide an explanation/prediction You acknowledge some of the variables and attempt to describe how to change them. Method suggested is almost complete and includes appropriate materials/ apparatus. 	<ul style="list-style-type: none"> Your table has headings but units of measurement are not provided. Graph is drawn but is small and x and y axis are not completely titled. Appropriate form of graph is chosen. 	<ul style="list-style-type: none"> You use most equipment competently but might require occasional guidance; on most occasions pay attention to safety and works responsibly with the living and non-living environment. You generally cooperates well with other students.
5 - 6	<ul style="list-style-type: none"> You define the purpose of investigation, provide an explanation/prediction and explain the hypothesis using scientific reasoning. You identify all the variables and describe how to change them. Method suggested is almost complete and includes appropriate materials/ apparatus. 	<ul style="list-style-type: none"> Your table has proper headings and unit of measurement are not provided. Graph is drawn clearly (at least half a page) titled at both x and y-axis. Appropriate form of graph is chosen. You draw a clear conclusion based on the correct interpretation of the data 	<ul style="list-style-type: none"> You work largely independently; uses equipment with precision and skill; pay close attention to safety and deal responsibly with living and non-living environment. You work effectively as part of a team, collaborating with others and respecting their views.

